

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements to Roads and Drains at Shivapura in Ward No.05,
Byatarayanapura sub-division

		Estimate Cost Rs.						1000000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2013-14	cum							
	Desilting of Drains								
	Shiva Temple Backside Road		2	155.00	0.45	0.15	20.93		
	Shivapura Layout Main Road		2	150.00	0.45	0.10	13.50		
	Surface Levelling								
	Shiva Temple Backside Road		1	155.00	4.50	0.15	104.63		
	Shivapura Layout Main Road		1	150.00	5.60	0.15	126.00		
							265.05	126.36	33492.00
	Basic Rate	117.00							
	Area Weightage @ 8%	9.36							
	Total	126.36							
2	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2013-14	Sqm							
	Shiva Temple Backside Road		2	155.00	1.35		418.50		
	Shivapura Layout Main Road		2	150.00	1.35		405.00		
							823.50		
							164.70		
	Deduct 20% Missing Slabs						658.80	50.11	33014.00
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	50.11							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2013-14	Sqm							
							Qty Vide Item No.2	658.80	
							658.80	70.04	46141.00
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	70.04							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick Page No. 28/ Item No. 5.31 / PWD SR 2013-14	Sqm							
	Missing Slabs 20%						164.70		
							164.70	343.44	56565.00
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	343.44							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 170/ Item No. 20.18/ PWD SR 2013-14	cum							
			1	155.00	4.50	0.15	104.63		
	Shiva Temple Backside Road		1	150.00	5.60	0.15	126.00		
	Shivapura Layout Main Road						230.63	1121.04	258540.00
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	1121.04							
6	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5, No. 175/ Item No. 21.4.2/ PWD SR 2013-14 Medium Porosity	Sqm							
			1	155.00	4.50		697.50		
	Shiva Temple Backside Road		1	150.00	5.60		840.00		
	Shivapura Layout Main Road						1537.50	100.60	154676.00
	Basic Rate	93.15							
	Area Weightage @ 8%	7.45							
	Total	100.60							
7	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% Birumen80/100grade (gradingII) P.No. 178/ Item No. 21.20.1/ PWD SR 2013-14	cum							
			1	155.00	4.50	0.025	17.44		
	Shiva Temple Backside Road		1	150.00	5.60	0.025	21.00		
	Shivapura Layout Main Road						38.44	9631.44	370208.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	8224.37	89	18					
	Area Weightage @ 8%	657.95	7	13	4				
	Total	8882.32							
8	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface-providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 168 Item No. 24.15PWD SR 2011-12	Sqm	2.5	175.00	0.10		43.75	429.84	18806.00
	Shivapura Layout Main Road						43.75	429.84	18806.00
	Basic Rate	398.00	4	37	00				
	Area Weightage @ 8%	31.84	3	4	96				
	Total	429.84							
9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum					296.18	67.32	19939.00
	Qty. Vide Item No. 1						296.18	67.32	19939.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20						72.70	
	Total	67.32							
10	For Third Party QC Charges 1% on Estimate Cost								10000.00
11	Miscellaneous Charges	L/S							423.00
	Total								1000000.00

(Rupees Ten Lakhs Only)

Certificate:

- The work spot has been inspected and the work is found necessary.
- This estimate is prepared as per PWD SR of 2012-13
- The provisions were made in this estimate are necessary and adequate.
- This works come under B.B.M.P. limits.

B.N. Pradeep
Assistant Engineer

Asst. Exe. Engineer
Byatarayanapura Sub Division

Executive Engineer
Byatarayanapura Division

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ADMINISTRATIVELY SANCTIONED FOR Rs. 10.00 Lakhs

Technical Sanction for Rs. 10.00 Lakhs Rupees Ten Lakhs only

For release only

Unit 88(B)

P-2054

Registered as EE () No. 9/9

Subject to conditions contained in

enclosed memo EE () No. /9/

Dt. 20/13-14 12.8.13 Subject

Estimate Approved

No. 20/13-14 12.8.13 Page 3 of 3 JCC(A) A/S No 98/13-14

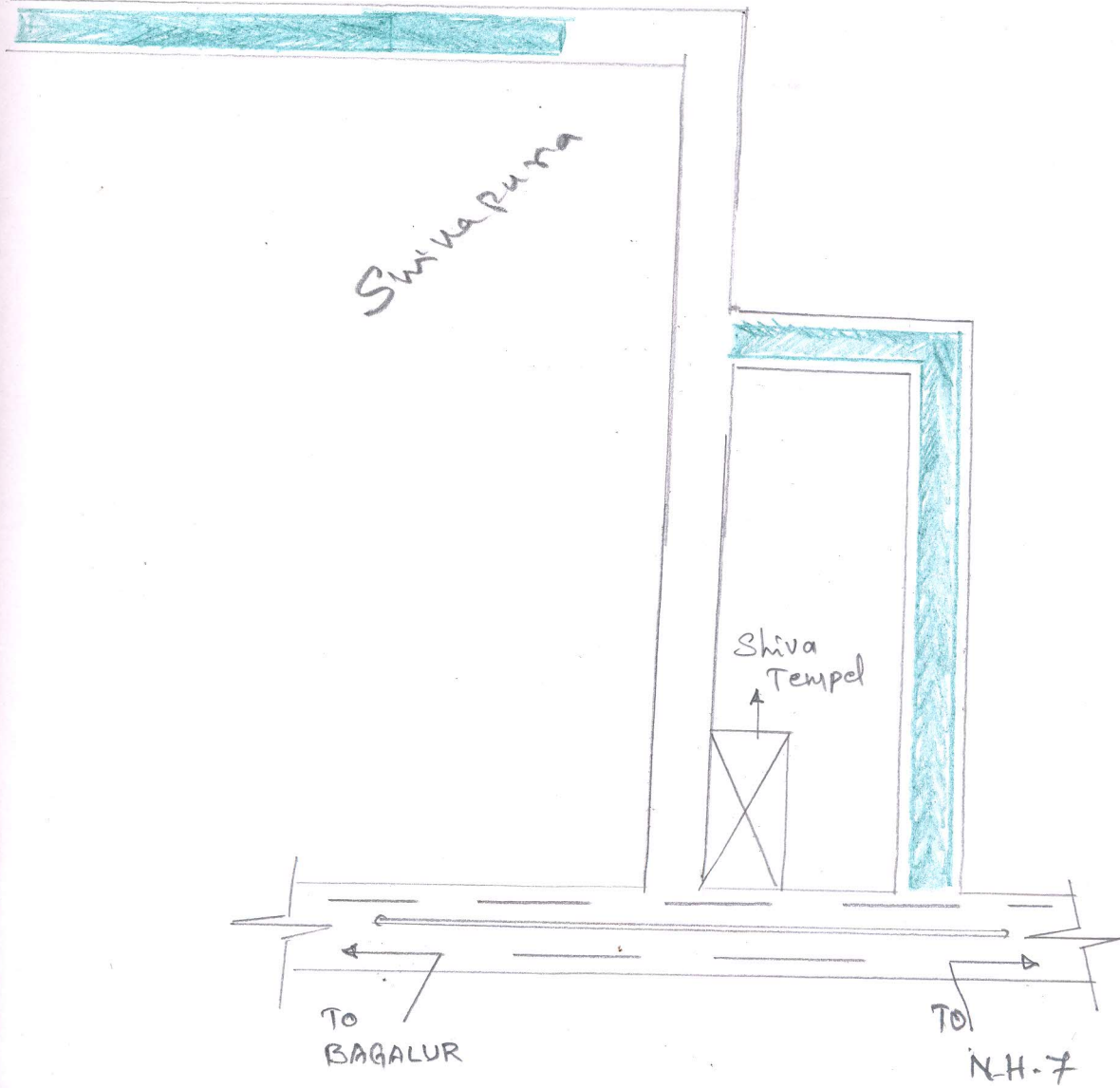
dated 7.8.2013 Rs. 10.00 Lakhs

EE (BTP Div.)

Joint Commissioner

■ proposed Asphalt,

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SKETCH SHOWING: Improvements to Roads and Drains
at Shivapura in Ward No. 05 Byatarayanapura
Sub Division B.B.M.P.

B.N. Pradeep

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24